

# **BOILERMAN CERTIFICATION COURSE**

## **INTRODUCTION**

Boiler is important and critical equipment in plant operation. Improper handling, human error and management flaws continue to cause near miss accidents, loss of life and equipments. It is mandatory only competent boilermans can operate boiler and pressure vessels

## **OBJECTIVES**

This programme is to create a carrier path for boiler operators and technicians to obtain the above certificate and to operate and maintain boilers efficiently. Participants will be exposed to the knowledge of boiler operation & maintenance with relevant examples and case studies on boiler failures

## **BENEFITS**

By attending this course the participants can benefit in reduction of cost involving downtime with proper boiler management and will be more confident for their oral examination

## **WHO SHOULD ATTEND**

Boilerman and Fireman 5-10 person

## **FACILITATOR**

**Tuan Syed Mohd Bin Ab Fatah K.M.N , B,C.N** a Mech degree holder from University of Reading United.Kingdom retired Pengarah JKPP has 29 years managing various potfolios with JKPP.

Design and plan approvals for boilers, unfired pressure vessels, cranes hoist and petroleum systems MLNG 1 Petronas and Sarawak Shell Bintulu. Involve in the construction and inspection of big petroleum refineries in Trengganu Trengganu Refinery ( Petronas GPP ( Petronas ) TCOT ( ESSO ) TNB Paka Power Station, YTL Paka Power Station, Kenyir Hydro power station Pewaja Steel Kemaman and Kemamaan Supply Base.

Panel member for examination committee to prepare syllabus and examination question for Steam Certificate Enginner, Engineer Internal Combustion Engine (ICE).

Examiner for Steam Certificate and Engineer Internal Combustion Engine (ICE).

Currently providing consultancy to industries and faciliating Steam Engineer, Engineer Internal Combustion (ICE) , Engine Driver and Boilerman Certification courses.



## **PROGRAMME OUTLINE**

### **Day -1**

**Introduction**

**Pre Oral Evaluation**

**Safety and Health in Boiler Management**

**Ideal Boiler Management**

**Case Studies & Discussions**

### **Day-2**

**Boiler Fittings**

**Steam Generation and Principles**

**Materials Used in Steam Plant**

**Combustion System**

**Water Treatment**

### **Day-3**

**Steam Trap Operation and Maintenance**

**Boiler Failure Analysis**

**Factors Responsible for Boiler Failures**

**Factories and Machinery Act**

**Case Studies & Discussions**

### **Day-4**

**Managing corrosion in boiler systems**

**Steam Turbine Operation & Maintenance**

**Post Oral Evaluation**

## **DURATION**

**5 Days / 35 Hours**

**100 % HRDF CLAIMABLE**

*Hostel can be arranged for outstation participants*